





Fort Belvoir Compliance-Focused EMS

E2S2 Symposium Session 10082 June 16, 2010

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Report Documentation Page

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Our Mission

Provide equitable, effective, and efficient management of Fort Belvoir to support mission readiness and execution, enable the well-being of Soldiers, civilians, and family members, provide quality installation support and services to our customers, and, promote and enhance community well-being.

EXCELLENCE THROUGH SERVICE







Fort Belvoir Overview

- Headquarters to multiple Agencies
- Home to over 100 tenant and satellite organizations and facilities
- Fort Belvoir's Mission provide administrative and logistical support
- Number of employees approximately 22,000 (estimated 44,000 after BRAC)
- Approximately 8,600 acres
- Size, structure and decentralized nature of population cause significant challenges







ENRD Overview

- Environmental and Natural Resources Division within the Directorate of Public Works
- Responsible for protecting natural resources, maintaining environmental compliance and implementing Federal, State and local sustainability and environmental requirements and programs throughout the Fort Belvoir community
- Three Branches
 - Environmental Compliance
 - Natural Resources
 - Training
- Approximately 35 employees









EMS Background

- Formal EMS was implemented to conform with Army EMS implementation approach and comply with Executive Orders
- Primary focus to support the execution of the Belvoir Mission and ensure operational sustainability
- Developed formal processes for:
 - identifying environmental issues
 - managing and mitigating environmental risks
 - communicating key information throughout the Belvoir community
 - improving compliance







EMS Background

- Key consideration: State of VA Consent Order in September 2007 related to Clean Air Act recording and reporting violations
- CO included requirement to implement an environmental tracking software package
- Software requirement helped justify funding and procurement of an off-the-shelf product to support the Fort Belvoir EMS









Software approach: EMSOLUTION®

- Web-based EMS on Belvoir computer network: functions as installation's 'EMS Portal'
- Environmental compliance program information management and communication - policies, procedures, plans, standards, requirements, etc.
- Procedures and tools are aligned with the requirements of ISO 14001, Executive Orders and Army EMS guidance
- Compliance assurance: Management of compliance program information, including compliance requirements and tasks with compliance calendar
- EPAS process can be integrated
- Automation of NEPA project reviews and determinations







Technology Overview



- Resides on Army computer network
- Army Certificate Of Networthiness (CON)
- Microsoft SharePoint-based website
- ASP.NET web applications with Microsoft SQL database backend
- CAC/Windows AD authentication
- Content owners and viewers access with web browser
- Role-based application behavior and user groups







Implementation Approach

- Phased implementation of EMS platform and database modules – EMS, Compliance Tracker, NEPA, Incident
- Planning
 - Identify key needs from environmental program managers, including integration of existing EMS information and systems
 - Solicit input from tenant user representatives on design and functionality needs
 - Work with DOIM representatives to ensure access by base "customers" and tenant organizations







Implementation Approach

- Install and Customization
 - Work with DOIM to configure server environment and install modules
 - Belvoir-specific customization
 - Population with existing program information
- Training
 - Super-user application management training
 - Content management training for environmental program managers
 - Roll-out training to key tenant organizations







Implementation Approach

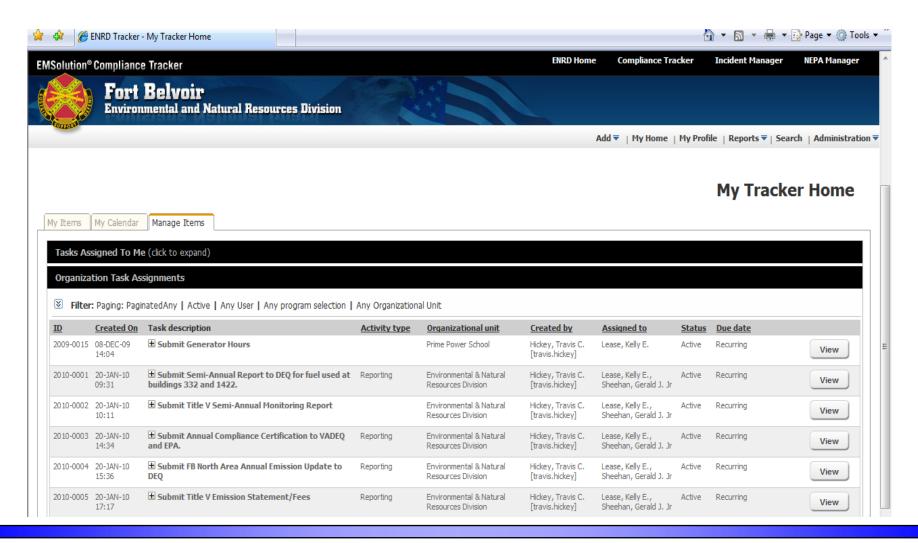
- Customization Support
 - Hands-on customization training for key content managers
 - Customize environmental program pages
 - Further develop tenant home pages
 - Add requirements and tasks to Tracker database
- Optional Annual Support
 - GIS integration
 - Develop additional features and capabilities









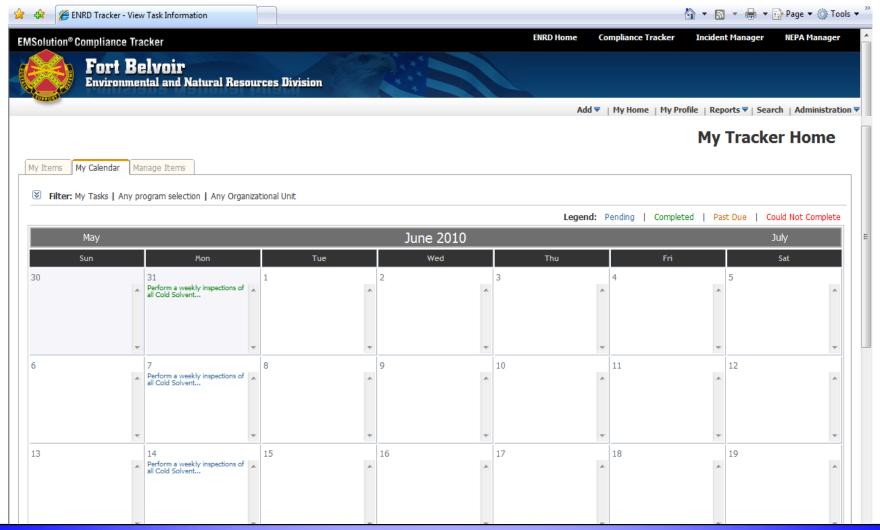










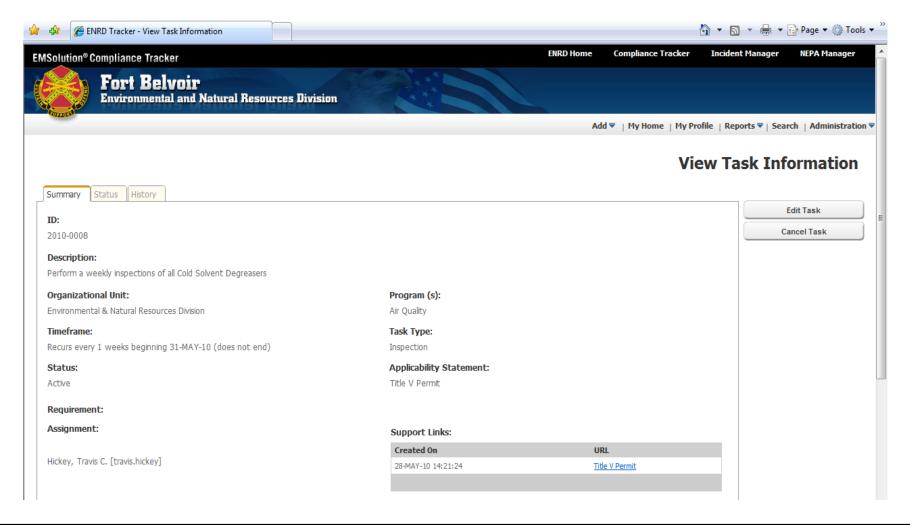








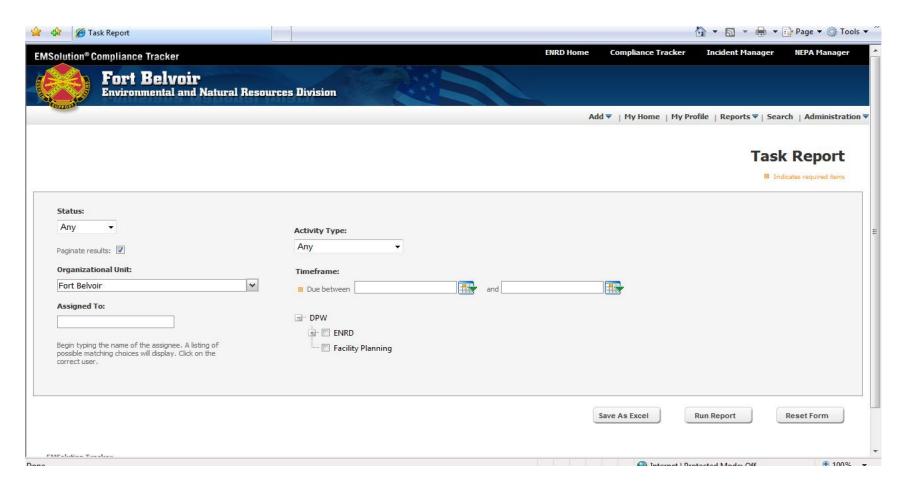










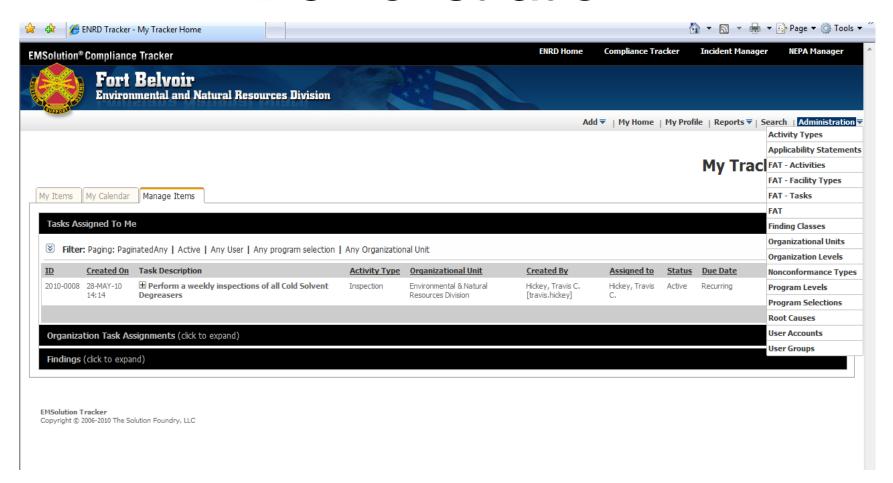


















Project Timeline and Milestones

- Project kickoff: September 2008
- EMS Module implementation and training: Fall/Winter 2008
- Ongoing EMS implementation: 2009
- EMS conformance demonstration: December 2009
- 12 month delay waiting for CoN for ASP.NET modules
- Install of database modules: December 2009
- Implementation and customization of modules: first half of 2010
- Project completion target: July/August 2010







INSTALLATION MANAGEMENT COMMAND



"Sustain, Support and Defend"